

X-Band Beacon Transmitter



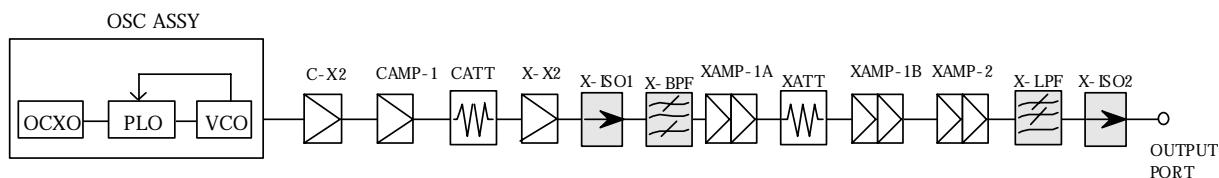
Features

- Output Power of 16dBm min.
- High Frequency Stability Using PLL Technology (less than 0.5PPM over AT)
- Low Noise Phase Noise Using OCXO
- Low Power Consumption of 6.5W max

Heritage

- Superbird-C
- Superbird-4
- Eurasiasat
- N-SAT-110

Block Diagram



Performance Summary

<u>Items</u>	<u>Description</u>	<u>Remarks</u>
Operating Frequency Range	7 - 8 GHz	Pointing Frequency Signal
Output Power	> 16dBm	
Frequency Stability over AT	< 0.5 PPM	
Frequency Stability over Life	< 2PPM	
Spurious	< -60dBc	
Harmonics	< -70dBc	
Phase Noise	< -60dBc @10Hz offset < -85dBc @100Hz offset < -90dBc @1KHz offset	
Power Consumption	< 6.5W	
Dimension (in mm)	166 x 194 x 60	
Weight	< 1.2Kg	